Test Case

Project Name: Twitter Sentiment Analysis

Test Case ID: 2a

Test Designed by: Khalid

Test Priority (Low/Medium/High): High

Test Designed date: 4th December

Module Name:

Test Executed by: Khalid

Test Title: Expected Number of Tweets based on Popularity of Keyword

Test Execution date: 5th December

Description: How many tweets do we get for a popular tweet vs a less popular tweet vs a tweet that we expect no results for

Objective: We test out the number of tweets with a popular keyword such as "Messi",a less popular keyword such as "knafa", and we then try it with a keyword that we expect not to get any results such as "dnsdniendeionwoenfnfowenfnfon"

Pre-conditions:

Twitter servers are operational, there is a stable and same internet connection, computer has the same processing power, and same training model, same maximum number of tweets (100).

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Input keyword	Messi	100 tweets received	100 tweets received	Pass	We expected this as "messi" is a very popular and must have 100 recent tweets
2	Input keyword	dnsdniendeionwoenfnfowenfnfon	0 tweets received	0 tweets received	Pass	We put a random word that we hoped would not return any tweets
3	Input keyword	Knafa	26 tweets received	Less than 100 tweets received	Pass	We expected this as "knafa" is a not very popular and should have less than 100 recent tweets

Post-conditions:

Program successfully processes the keyword "Messi" and "Benzema is a bad striker" successfully retrieves tweets for both and performs the NLP sentiment analysis, but does not retrieve tweets for keyword: "dnsdniendeionwoenfnfowenfnfon" and does not produce sentiment analysis for it.